Cell Visualization on a Desktop Display Wall

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***Abstract*— Biologists are often faced with the task of manually inspecting a large number of objects, such as cells or cell colonies. Research has shown that a variety of visualization tasks are aided by physically larger displays [1]. However, large-screen displays, such as televisions, often have poor spatial resolution. Tiled display walls can solve this problem, but are often not conveniently accessible. Here, we demonstrate the feasibility of a desktop display wall, which can be constructed from off-the-shelf components and easily located in an office or lab. It is our hope that this more convenient setup will enable the use of display walls in the day-to-day work of Biologists and other scientists.**

***Index Terms*— visualization**

References

[1] Desney S. Tan, Darren Gergle, Peter Scupelli, and Randy Pausch. 2006. Physically large displays improve performance on spatial tasks. ACM Trans. Comput.-Hum. Interact. 13, 1 (March 2006), 71-99. DOI=10.1145/1143518.1143521 http://doi.acm.org/10.1145/1143518.1143521